20000917.qrp v01_n947.qrl.20000917

Date: Sun, 17 Sep 2000 19:03:15 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1947

QRP-L Digest 1947

Topics covered in this issue include:

by "Scott Hotchkiss" <w4pj@bellsouth.net>
20) [79697] Sep 17/18 QRP test - Who gets the logs ?
by WB9MII@aol.com
21) [79698] Re: Loss of members
by "Scott Hotchkiss" <w4pj@bellsouth.net>
22) [79699] Small Wonder Labs SW rig 5 watt mod?
by Lee Bahr <w5drc@earthlink.net>
23) [79700] Re: Sep 17/18 QRP test - Who gets the logs ?
by "K7FD-N7SG" <cqdx@teleport.com>
24) [79701] Re: Antennas For Limited Spaces/Antenna Publications
by "John Moriarity" <k6qq@hdo.net>
25) [79702] Re: Farewell from KU7Y
by Pete Burbank <plburbank@kih.net>
26) [79703] Swan 250
by w6ors@juno.com
27) [79704] Tixie problems
by Gwendolyn <wendy_lyn@unforgettable.com>
28) [79705] Re: Tixie problems
by "Trevor Jacobs" <fxtech@earthlink.net>
29) [79706] Re: Tixie problems
by "Trevor Jacobs" <fxtech@earthlink.net>
30) [79707] On the QRPA trail with the Mini-Stinger
by Dan Tayloe <dtayloe@home.com>
31) [79708] Re: Farewell from KU7Y
by Jim Lowman <jmlowman@ix.netcom.com>
32) [79709] Re: Antenna attic
by Bruce Muscolino <w6toy@erols.com>
33) [79710] For W0RSP
by WB9MII@aol.com
34) [79711] Attic Antenna that works ! But you can use it outside too !
by Rick McKee <kc8aon@juno.com>
35) [79712] [OT] AA NiCd Azden HT battery pack question
by "Dave Benham" <dodgeboy@mindspring.com>
36) [79713] Re: Antenna attic
by "Mike Yetsko" <myetsko@insydesw.com>
37) [79714] Re: [OT] AA NiCd Azden HT battery pack question
by "Mike Yetsko" <myetsko@insydesw.com>
38) [79715] Any interest in a Tuna Tin 2 night?
by John AE5X <ae5x@juno.com>
39) [79716] Initial Impressions of the Small Wonder PSK-20 and Cabinet
by Lee Bahr <w5drc@earthlink.net>
40) [79717] WTB assembled SW-20 Metres
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
41) [79718] QRP Afield W7TAO
by Bruce Grubbs <n7ceeqrp@earthlink.net>
42) [79719] ReReReReReReReReRe:farewell....oh pooh
by CoreyKc0goa@netscape.net
43) [79720] QRP AFIELD - W2AGN

by "John L. Sielke" <w2agn@pobox.com>
44) [79721] Yeah sure.
by Robert McAtee <w5tnj@camalott.com>
45) [79722] Get busy Conrad!
by Robert McAtee <w5tnj@camalott.com>
46) [79723] Re: Any experience with the isotron antennas
by KR0Y@aol.com
47) [79724] Re: QRP AFIELD - W2AGN
by Brian <brian@iquest.net>
48) [79725] Re: Get busy Conrad!
by "Mike Yetsko" <myetsko@insydesw.com>
49) [79726] QRPp DX chasing
by Jim Hale <kj5tf@yahoo.com>
50) [79727] WTB WX STATION
by "The One and Only!" <mitch96@pobox.com>
51) [79728] Re: Any interest in a Tuna Tin 2 night?
by "Steve McDonald" <jsm@gulfislands.com>
52) [79729] Possible AT in VA operation
by Larry S Cahoon <wd3p@juno.com>
53) [79730] Re: Tuna Tins
by CoreyKc0goa@netscape.net
54) [79731] Re: Any experience with the isotron antennas
by Bruce Muscolino <w6toy@erols.com>
55) [79732] WTB/build SW SSB Radio
by Mark Sailer <msailer@buoy.com>
56) [79733] Updated Palmpilot Info
by "Michael A. Newell, WB4HUC" <wb4huc@texas.net>
57) [79734] ReRe:tuna tins
by CoreyKc0goa@netscape.net
58) [79735] k4msw de n9bor k
by "Mike D." <hrg@cifnet.com>
59) [79736] QRP-A Field
by "Steven Weber" <kd1jv@moose.ncia.net>
60) [79737] QRP AFIELD 2000
by jaywa5whn@juno.com
61) [79738] Rigblaster vs homebrew psk-31?
by n2go@arrl.net
62) [79739] Re: Rigblaster vs homebrew psk-31?
by "Karl F. Larsen" <k5di@zianet.com>
63) [79740] Re: Rigblaster vs homebrew psk-31?
by "Cla KA0GKC" <ka0gkc@arrl.net>
64) [79741] Re: Rigblaster vs homebrew psk-31?
by "Dan W. Dooley" <dandooley@pipeline.com>
65) [79742] QRP AField - AA5TB
by Steve Yates <aa5tb@yahoo.com>
66) [79743] Re: Antennas For Limited Spaces/Antenna Publications
by "Bob Tellefsen" <n6wg@earthlink.net>

Date: Sat, 16 Sep 2000 19:10:14 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: n4qa@juno.com
Cc: QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [79678] Re: OT: Need a Motor-Starting Capacitor
Message-ID: <Pine.3.89.10009161931.B5061-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 16 Sep 2000 n4qa@juno.com wrote:
>
> Can anyone here steer me towards a vendor for a 220 vac 53-to-64 mfd
> motor starting capacitor ? Our garage-door-opener won't and the XYL is
> threatening to call Sears !
>
Check your junque box for a couple of electrolytics, 50UF or more with a
rating of 250VDC or more. Connect them back to back (either minus to
minus, or plus to plus) and you have a non-polarized capacitor. Each
capacitor exhibits its rated capacitance on one half of the AC cycle and
conducts on the other half. This arrangement is commonly used to replace
faulty capacitors in rotator control boxes and will work just as well
with other motors...

       73,
                    ,'' '',
     Bob Patten, N4BP   (0 0)   Plantation, FL
_____________________________oOOo-(_)-oOO_____________________________________

                          E-Mail: n4bp@bc.seflin.org
                      Web Page: http://www.qsl.net/n4bp
                      Brass Pounder BBS: (954) 472-7715
       QRP ARCI #3412   ARS #799   SOC #1   Whiners #6

Date: Sat, 16 Sep 2000 17:31:58 -0600
From: "al dawkins" <alk0frp@home.com>
To: <qrp-l@lehigh.edu>
Subject: [79679] 1 % read 99% deleted K0FRP
Message-ID: <001801c02036$4ecf38a0$0300a8c0@j5m9s4>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I will comment direct (not on the list) those who present a valid question, I will try to help, but most messages are deleted in huge blocks unopened.
Sorry if I missed a message here and there which may have been directed to me. If My call is in the subject I will answer. But 99% of the messages go into the deleted file.

Al K0FRP

Date: Sat, 16 Sep 2000 16:26:21 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: n0rc@yahoo.com
Cc: qrp-l@lehigh.edu
Subject: [79680] Re: Losing Subscribers, List managment
Message-ID: <200009162336.QAA23367@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 02:30 PM 9/16/2000 -0700, you wrote:
>OK Ron's exit was to much for me.
>
>I don't care what is "correct" or not but it's time we had a
>discussion about what's going on & get things back on track.
>
>And if the management don't like it too bad, kick me off the list.
>
>If we keep losing list members like Ron then there is no reason to
>even have this list.
>
>As Forest Gump sez: "And that's all I have to say about that!"
>

Hear, hear!

If you don't like contesting, tell it to a non-contesting list.

If you don't like ragchewing, ditto

If you don't like a note someone sent, tell it to them, not the list.

If you want to talk about your health, or the health problems of others, find another place.

Etc., etc.

Let's try to keep the list qrp oriented, and the chatter about old calls, length of time licensed, cute calls, pet peeves, etc. off the list, and try to get it back to what it was. This is a great forum for getting technical and useful operating information out to all of us, new and old alike. But, some of the background chatter is beginning to take over.

Bob Hightower NK7M
Chandler, AZ
SOC #20
K2 #157/255

http://www.extremezone.com/~nk7m

Date: Sat, 16 Sep 2000 17:20:07 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79681] Antennas For Limited Spaces/Antenna Publications
Message-ID: <00b901c0203d$096ff540$589ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey Bruce (and all),
    I totally agree, in fact speaking for myself, I read every technical piece of documentation that I can find before I start a project. I have several books on antennas and the theory associated with them, and will look at the TRW meet next time I go to it. I've only been once and was kind of turned off by all of the non ham stuff, but there were a couple of really good book venders though, and in fact I spent a great deal of time at 1 particular booth looking through old issues of QST. Do you attend the meet regularly? Maybe we could meet there sometime. I have the ARRL antenna book and it's got a lot of information in it, but for more casual ideas, I'd recommend "Stealth Amateur Radio" for some good ideas on antennas that don't need a "Back-Forty" sized yard (I sure do miss having a big back yard in Texas sometimes!) and should perform adequately. I love operating QRP, so that means the antenna needs to be efficient. Unfortunately I have a VERY limited area to string one, plus there are overhead power lines running in the back of the house and there are high tension power lines less than 1/4 mile away. Not exactly a prime QRP DX location, but I'm sure that I can get something to work.
    As far as the loop goes, I am concerned about how much RF energy will be absorbed by the house, but it should help with all of the background noise from Los Angeles. I went camping a couple of weeks ago up near Bishop (14 freeway North) in the white mountains and took a 49er that I had constructed from scratch, and antenna tuner and a 40m dipole that I had constructed (you

should have seen the look on the other campers faces when they saw me playing around with an altoids tin! They thought I was nuts until they listened to it!). The signals at 7.040 MHz were booming in from everywhere, and the noise level was way down. Made me want to move to Bishop! The other thing that concerns me about the loop, is how to feed the balanced line from the BLT to the antenna. The rig is only located about 5 to 10 feet (by a window) from where the antenna feed point will be, but I have to feed the line through a window (not my house, so I can't go drilling holes!) and it's an Aluminum frame window. I'm worried about what effect the window frame will have on the feed line efficiency / impedance. Anyone have experience with this? From what I've been reading, Balanced line is the way to go if you have a good path from the rig to the antenna.
    Right now I'm using a 40m homebrew dipole up about 25', and it works ok, but it's going right through a tree and that can't be good. 73 to all and hit me with some antenna suggestions (other than move to the country :)) for my type of situation.

Trev
KG6CYN

----- Original Message -----
From: Bruce Muscolino <w6toy@erols.com>
To: Trevor Jacobs <fxtech@earthlink.net>
Sent: Saturday, September 16, 2000 3:11 PM
Subject: Re: Dummy Load Antenna (was Lightbulb antennas)

> Trevor,
>
> Well it may surprise you but I agree with what you are saying. However
> I do have one qualification. If you really want to develop something,
> whether it's an antenna for your lot or a radio, it is best to start
> from solid theoretical footing. This does not mean you have to be able
> to predict what it will do at every point, but it does mean you have to
> know enough to keep you from obvious blind canyons! You have to be able
> to predict what won't work!
>
> As far as doing a loop around your house, you might first try to
> understand that the house will absorb a lot of teh energy trying to
> radiate from the antenna. It will probably work but not as well as a
> real loop out in the open. Antennas are very environmental devices.
> They are affected by near objects in strange ways!
>
> I encourage you to try. When I lived in West Los Angeles I had several
> fairly successful (to me) antennas. One was a wire running below the
> roof of my apartment building. It was only 35 feet long, but it was
> dynamite into Michigan and Washington! I also built and used several
> indoor helically wound dipoles. Again, very successful on both 40 and

> 15 meters!
>
> Buy some reference books. An ARRL Antenna Book from the 70's is good.
> You can probably find one at a good price at TRW. I don't recommend the
> current antenna compendiums because they describe mostly very practical
> antennas that guys have built. The most you can do is copy what they
> have done and without an understanding of how the antennas work you
> won't get the same performance the authors did.
>
> 73
>

Date: Sat, 16 Sep 2000 20:14:33 -0400
From: n4qa@juno.com
To: n4bp@bc.seflin.org
Cc: n4qa@juno.com, qrp-l@lehigh.edu
Subject: [79682] Re: OT: Need a Motor-Starting Capacitor
Message-ID: <20000916.201434.-85683.2.n4qa@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks, Bob... I may have to give that a try.
73,
Bill, N4QA

Date: Sat, 16 Sep 2000 18:29:34 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: n4qa@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79683] Re: OT: Need a Motor-Starting Capacitor
Message-ID: <Pine.LNX.4.10.10009161828140.1957-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Monday go to your local motor repair store with your old capacitor and
they will have a new one for like $10.00 which is the same size and
capacity.

On Sat, 16 Sep 2000 n4qa@juno.com wrote:

> Sorry for the OT posting gang...

>
> Can anyone here steer me towards a vendor for a 220 vac 53-to-64 mfd
> motor starting capacitor ? Our garage-door-opener won't and the XYL is
> threatening to call Sears !
> I want those bucks to go towards my new DSW-20 (when available)!
> Please respond OFFLIST to n4qa@juno.com .
> Thanks and 73(-1) :)
> Bill, N4QA
> ____
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.
>
>

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 16 Sep 2000 17:44:35 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <n4qa@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79684] Re: Need a Motor-Starting Capacitor
Message-ID: <00d101c02040$744be2e0$589ab2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check Grianger (http://www.grainger.com). They sell a lot of AC motor
stuff. I've boght quite a bit of stuff from them in the past. Hope this
helps 73

Trev
KG6CYN
----- Original Message -----
From: <n4qa@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, September 16, 2000 3:05 PM
Subject: OT: Need a Motor-Starting Capacitor

> Sorry for the OT posting gang...
>

> Can anyone here steer me towards a vendor for a 220 vac 53-to-64 mfd
> motor starting capacitor ? Our garage-door-opener won't and the XYL is
> threatening to call Sears !
> I want those bucks to go towards my new DSW-20 (when available)!
> Please respond OFFLIST to n4qa@juno.com .
> Thanks and 73(-1) :)
> Bill, N4QA
> ____
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.
>

Date: Sat, 16 Sep 2000 20:39:01 EDT
From: Nv4t@aol.com
To: ku7y@dri.edu, qrp-l@lehigh.edu
Subject: [79685] Re: Farewell from KU7Y
Message-ID: <36.b79a9af.26f56ca5@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

COWARD!!!
& WHINER!!!!

Date: Sat, 08 Jan 1994 06:27:46 -0800
From: ka1iic@ime.net
To: qrp-l@Lehigh.EDU
Subject: [79686] unsubcribe
Message-ID: <2D2EC2BB.4E57@ime.net>
MIME-Version: 1.0

Date: Sat, 16 Sep 2000 17:58:43 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79687] Tuna Tin Active Tonight
Message-ID: <000901c02042$8873e180$7111f4cc@jsm>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will be on tonight looking for some fun with the Tin.
Have added more radials to the antenna system and now have 22 in total.
Still room for improvement but this last batch has sharpened up the
bandwidth even more (as expected with an increased Q in the system). Seems
to be working well with 5 new states this early morning.
Will be on at 0300 and at 0400 - ? calling CQ on 7040.2

Have worked the states on the list below, so I'm especially interested in
working you if you are not on the list but I'm always happy to work any
callers!!

Steve / VE7SL

AK   IA   MA   NJ   SD
AZ   ID   MI   NM   TX
CA   IL   MN   NY   UT
CO   KS   MO   OR   VA
 HI   LA   MT   PA   WA

Date: Sat, 16 Sep 2000 20:59:25 -0400
From: Tom and Roxy <zikot@erie.net>
To: qrp-l@Lehigh.EDU
Subject: [79688] Xtal Needed
Message-ID: <3.0.5.32.20000916205925.00837a20@erie.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I am in the middle of building a 15m QRP CW Xmtr and am in need of a
xtal that is close to 21.060?? Since the ckt board is very small I
will need the smaller xtal type, HC49. I would try a 7.020 mHz xtal
but the design by N7KSB doesn't make mention of that. If anyone
would like to take a look at the schematic it can be seen at
http://members.xoom.com/_XMCM/VLantz/arqrp/rigs1.htm

I have about 75% of the xmtr built. All I have remaining is to
wind the two coils, connect the switch and phone jacks, used a
BNC for antenna, and mount the xtal.

Has anyone put one of these N7KSB xmtr's together? If so I would
like to know how it worked out and if you ran into any problems.

Also, if anyone is interested in building one I have a few of the
newer 74HC240 IC's. My goal it to build a xmtr for 15, 12, amd 10m.
If enough people are interested in building one I would be more than
willing to kit it.

Before it gets too cold up here in Erie, PA. I intend to make one or
two last trips to Presque Isle state park with my SMK-1 and possibly
give 15m a try if I am successfull with this N7KSB.

Hope everyone had a great weekend.

73's es gud DX!

Tom & Roxanne
WA1VAI/3

Date: Sat, 16 Sep 2000 18:03:17 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79689] Tuna Tin Active Tonight
Message-ID: <001301c02043$12623ea0$7111f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Will be on tonight looking for some fun with the Tin.
Have added more radials to the antenna system and now have 22 in total.
Still room for improvement but this last batch has sharpened up the
bandwidth even more (as expected with an increased Q in the system). Seems
to be working well with 5 new states this morning.
Will be on at 0330 and at 0400 - ? calling CQ on 7040.2
Will also try and get up early and be on for east coast around 1000Z if you
want to make a sked.

Have worked the states on the list below, so I'm especially interested in
working you if you are not on the list but I'm always happy to work any
callers!!

Steve / VE7SL

AK IA MA NJ SD
AZ ID MI NM TX
CA IL MN NY UT
CO KS MO OR VA
HI LA MT PA WA

Date: Sat, 16 Sep 2000 20:58:50 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-l@Lehigh.EDU>
Subject: [79690] WQ1RP net!
Message-ID: <000101c02042$71bcc1a0$0201a8c0@mw.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just wanted to say, I thought Joel K1QM <?> did a FB job
as net control last Thursday evening on the net at 9:00 pm
there was QRM but heard net in Canton, MI and got checked
in.

73 oo,
Chuck AA8VS
MI-QRP #M1212
Firebird PIN #2117
FPQRP-113
TSRAC #3952
QRP-C #192
QTH Canton, MI

Date: Sat, 16 Sep 2000 21:03:34 -0400
From: "Charles Mabbott" <crmabbott@mediaone.net>
To: <qrp-l@Lehigh.EDU>
Subject: [79691] Antenna attic
Message-ID: <000201c02043$1b40c0a0$0201a8c0@mw.mediaone.net>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I understand this is not the best, but have a friend that because of the
neighborhood, needs some recommendations for an antenna in the attic.

I have used a dipole for years in the attic, and it has been adequate.

I know there are some other things out there so please respond off the
list.

Has anyone experience with the Screwdriver type antenna in attic, but
I don't want to start an ISOTRON incident again

Thanks in advance.

73 oo,
Chuck AA8VS
MI-QRP #M1212
Firebird PIN #2117
FPQRP-113
Ex-FIST #1424
TSRAC #3952
QRP-C #192
QTH Canton, MI

Date: Sat, 16 Sep 2000 21:10:12 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:n0rc@yahoo.com" <n0rc@yahoo.com>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>
Subject: [79692] Losing Subscribers, List managment
Message-ID: <200009162110_MC2-B39C-134D@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
      charset=ISO-8859-1
Content-Disposition: inline

Rod:

Well I hope that this all settles out, as I frankly depend on the QRP-L t=
o

make the regular FOX hunt and FOX Pup hunts even possible. Can you imagi=
ne
what we would do without QRP-L? :-)   OOOOHHHH....don't even want to go=

there. So hopefully all this will settle back down to a dull roar and we=

can all go on.

72/73,
--W.D. (Doc) Lindsey
   DSBF
   PO Box 6028
   Bismarck, ND 58506
   (Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
   E-Mail =3D K0EVZ@arrl.net

Date: Sat, 16 Sep 2000 21:37:29 -0400 (EDT)
From: "baltimoremd@baltimoremd.com" <baltimoremd@baltimoremd.com>
To: "qrp-L@Lehigh.EDU" <qrp-L@Lehigh.EDU>
Subject: [79693] Troubleshooting Batteries
Message-ID: <Pine.BSI.4.05L.10009162137000.25025-100000@vh1.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've just added an flowchart troubleshooting chart that details the
steps in troubleshooting lead batteries.

You can find it at
http://www.min.net/~thom/qrp/

The jpg prints fairly well to a laser, and there is a link to download a
zip file which contains a very large .TIF file for those that care to have
hi-res charts.

73
Thom

./
baltimoremd@baltimoremd.com   Thom LaCosta K3HRN Webmaster

http://www.baltimoremd.com/   Baltimore's Home Page
http://www.baltimorehon.com   Home of the Baltimore Lexicon
http://www.min.net/~thom/   QRP and Drake Mail List Pages

Date: Sat, 16 Sep 2000 21:27:50 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <crmabbott@mediaone.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79694] Re: Antenna attic
Message-ID: <025f01c02046$834c7740$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Actually, I think this should be on the list...

I know, the dipole is always the 'basic', and some people recomend you just make it as long as fits. But you can alway go diagonal across the attic and then put a bend to keep going at the corners. You'll have to tune it...

One thing I haven't seen mentioned is a 'rhombic'. I did one on my roof at one time. But I don't see any reason why it wouldn't work inside under the rafters as well...

Mike

Date: Sat, 16 Sep 2000 21:52:52 -0400
From: CoreyKc0goa@netscape.net
To: qrp-l@lehigh.edu
Subject: [79695] Loss of members
Message-ID: <5CBDF4E0.1329ED4A.372D3D6F@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I was going to respond to the post about deleted msgs, but I deleted it....

73...Craig...KC0GOA

Date: Sat, 16 Sep 2000 22:07:01 -0400
From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <nk7m@extremezone.com>, "Low Power Amateur Radio Discussion" <qrp-

l@Lehigh.EDU>
Subject: [79696] Re: Losing Subscribers, List managment
Message-ID: <008501c0204b$f9058b20$2451d6d1@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

C'mon Bob, your whole post was what you decried.
geez
Scott R. Hotchkiss
Ft. Lauderdale, FL

"We must make the run sucessful from the cradle to the grave."   Johnny
Cash

----- Original Message -----
> some of the background chatter is beginning to take over.
>
> Bob Hightower NK7M
> Chandler, AZ
> SOC #20
> K2 #157/255
>
> http://www.extremezone.com/~nk7m
>

Date: Sat, 16 Sep 2000 22:05:51 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [79697] Sep 17/18 QRP test - Who gets the logs ?
Message-ID: <5f.a8defa7.26f580ff@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy folks,
Had a blast participating in the contest tonight. Who gets the logs ? Can't
find that info anywhere . Thanks for the help
73
Greg WB9MII

Date: Sat, 16 Sep 2000 22:08:57 -0400

From: "Scott Hotchkiss" <w4pj@bellsouth.net>
To: <CoreyKc0goa@netscape.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79698] Re: Loss of members
Message-ID: <008e01c0204c$41ee1820$2451d6d1@w4pj>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Right On!
Craig.

de W4PJ
Scott R. Hotchkiss
Ft. Lauderdale, FL

"We must make the run sucessful from the cradle to the grave."
  Johnny Cash

----- Original Message -----
From: <CoreyKc0goa@netscape.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, September 16, 2000 9:52 PM
Subject: Loss of members

> I was going to respond to the post about deleted msgs, but I deleted it....
>
> 73...Craig...KC0GOA
>

Date: Sat, 16 Sep 2000 21:23:50 -0500
From: Lee Bahr <w5drc@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [79699] Small Wonder Labs SW rig 5 watt mod?
Message-ID: <39C42B36.D3EFF859@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have ordered a Small Wonder Labs SW transceiver for 30 meters. I understand the rig can be modified to put out around 5 watts output from it's nominal 2.5 watts output. Does anyone on here have any info on

this mod? It is my understanding such a mod does exist. I sure would appreciate hearing from anyone who has the information. Dave's web page says the newer version has room for a heat sink on the final amp transistor. This transceiver coupled with his Freq-mite enunciator and RIT kit should make a nice very small rig.
Thanks
Lee Bahr w0vt Houston

Date: Sat, 16 Sep 2000 19:05:42 -0700
From: "K7FD-N7SG" <cqdx@teleport.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, <WB9MII@aol.com>
Subject: [79700] Re: Sep 17/18 QRP test - Who gets the logs ?
Message-ID: <003001c0204b$c9a5dba0$4d231ad8@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

http://www.qsl.net/wq1rp/contests.00

This will give you the info you need...thanks for the qso!!

73 John K7FD

>Howdy folks,
>Had a blast participating in the contest tonight. Who gets the logs ?
Can't
>find that info anywhere . Thanks for the help
>73
>Greg WB9MII
>

Date: Sat, 16 Sep 2000 20:08:03 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <fxtech@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79701] Re: Antennas For Limited Spaces/Antenna Publications
Message-ID: <002101c02054$7f68f320$fa414cd1@JohnMoriarity>

> ...The other
> thing that concerns me about the loop, is how to feed the balanced line from

> the BLT to the antenna. The rig is only located about 5 to 10 feet (by
a
> window) from where the antenna feed point will be, but I have to feed
the
> line through a window (not my house, so I can't go drilling holes!)
and it's
> an Aluminum frame window. I'm worried about what effect the window
frame
> will have on the feed line efficiency / impedance. Anyone have
experience
> with this?

Back in another life, I ran a full kW on 40 to a dipole fed with open
wire
line. This came through an aluminum "slide-by" window. A piece of
glass fiber circuit board (single sided!) on either side of it served as
insulation.
I used duct tape to seal the window gap, and cut a piece of aluminum rod
to drop in the track to keep the burglars out. The impedance bump
caused
by the window frame was insignificant. I matched the antenna with a
Johnson
"Match Box". It worked just fine! Go for it!!

73,

John, K6QQ
Alturas, CA, at the corner of 299 & 395.

Date: Sat, 16 Sep 2000 23:17:59 -0400
From: Pete Burbank <plburbank@kih.net>
To: ku7y@dri.edu
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79702] Re: Farewell from KU7Y
Message-ID: <3.0.32.20000916231751.0077fa98@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

What a bummer! Another voice of sanity silenced by...(deleted)
73 Ron , Monte or whatever your favorite name is.
You will be missed.
Sincerely,
Pete NV4V

Date: Sat, 16 Sep 2000 20:10:17 -0500
From: w6ors@juno.com
To: qrp-l@lehigh.edu
Cc: w6ors@juno.com
Subject: [79703] Swan 250
Message-ID: <20000916.201635.-426251.9.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

9-16-00
Does anyone have a Manual for a Swan 250 6M TxRx they're willing to part
with? Could use the one for the matching Power Supply also.
73,
        Corky W6ORS
        Hilo HI

Date: Sat, 16 Sep 2000 23:26:27 -0400
From: Gwendolyn <wendy_lyn@unforgettable.com>
To: <qrp-l@lehigh.edu>
Subject: [79704] Tixie problems
Message-ID: <20000917032630.9F33C4E1F3@pop401-leg.mail.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi, all.

This is my intro to the list as well as a plea for help.

I'm Gwen, KB3DVJ, located in Pennsylvania near Philadelphia. I=
 just
started playing with QRP, and built the Tixie variant on the=
 Pixie 2
transceiver. The "standard" schematic and parts list makes an=
 80m
rig, and I have assembled everything EXCEPT the TiCK chip, which=

hasn't arrived yet.

Thing is, I just HAD to try it...without the TiCK, it should just=

receive, right?

Well, it receives. I get a very faint CW signal and a LOT of
broadcast AM. :(So I built an aluminum box for it. No change=
 in
the BC signal. :(

Also, it seems to be radiating very heavily on 80m, even without=

being keyed. Here's where I'm wondering if the lack of a TiCK is=

holding a transistor high or something and causing it to radiate?=
  If
I connect the TiCK socket's keyline to ground, I get a stronger
signal on 80m, but it never really goes away.

I already found one capacitor with a bad solder joint, which was=

causing the thing to thump instead of oscillate, but that doesn't=

seem to affect this radiating problem.

So...any ideas? How do I kill the BC interference, and is the=
 lack
of a TiCK in the circuit making it go to a low-level transmit or=

something?

73,
   Gwen
-- Gwendolyn, wendy_lyn@unforgettable.com on 09/16/2000

Date: Sat, 16 Sep 2000 21:07:48 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <wendy_lyn@unforgettable.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [79705] Re: Tixie problems
Message-ID: <002301c0205c$d7df7580$4a14f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gwendolyn,
    I built a Pixie a while back and had the same results. This is how it
operates. If I'm right here (don't have the schemes in front of me), the
oscillator is running all of the time on that rig and the PA transistor is

used as kind of a mixer for the receiver. The LM386 then amplifies any signal that the PA delivers to it (here's where your AM is coming from, no filtering). Also in this configuration, any RF generated by the oscillator is available to the antenna, so yes you will radiate a signal during RX. This was annoying to many folks out there and I've read quite a few posts in other places about this. There are several mods that you can make to improve AM station rejection. I know I have a web address somewhere that has details of the W1FB (Doug DeMaw) mods, but I'll have to find it for you (I'm bad about organizing my Bookmarks ;)). The most significant improvements can be made by replacing the low pass filter choke with a hand wound toroid. Also, you can add a TL072 or other suitable op amp and add a few components around it to form a 700Hz CW filter, but this may be harder to do with the surface mount Tixie. I'll find that web page for you and forward it. The Pixie/Tixie is a lot of fun. It's a great example of minimum parts stuff that works (not great but it does work!). Norcal has their new SMD kit that I'm thinking of buying to practice SMD (Surface Mount Device) soldering (MAN those parts are small!). SMD is the wave of the future, and I'm sure we'll be seeing a lot more of it. Makes Manhattan style assembly rough though! HSC electronics (http://www.halted.com) sells the original pixie kit for a whopping $10. They're a great introduction to PC board assembly and also make great gifts / stocking stuffers! 73

Trev
KG6CYN
----- Original Message -----
From: Gwendolyn <wendy_lyn@unforgettable.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, September 16, 2000 8:26 PM
Subject: Tixie problems

> Hi, all.
>
> This is my intro to the list as well as a plea for help.
>
> I'm Gwen, KB3DVJ, located in Pennsylvania near Philadelphia. I just
> started playing with QRP, and built the Tixie variant on the Pixie 2
> transceiver. The "standard" schematic and parts list makes an 80m
> rig, and I have assembled everything EXCEPT the TiCK chip, which
> hasn't arrived yet.
>
> Thing is, I just HAD to try it...without the TiCK, it should just
> receive, right?
>
> Well, it receives. I get a very faint CW signal and a LOT of
> broadcast AM. :(So I built an aluminum box for it. No change in
> the BC signal. :(
>

> Also, it seems to be radiating very heavily on 80m, even without
> being keyed. Here's where I'm wondering if the lack of a TiCK is
> holding a transistor high or something and causing it to radiate? If
> I connect the TiCK socket's keyline to ground, I get a stronger
> signal on 80m, but it never really goes away.
>
> I already found one capacitor with a bad solder joint, which was
> causing the thing to thump instead of oscillate, but that doesn't
> seem to affect this radiating problem.
>
> So...any ideas? How do I kill the BC interference, and is the lack
> of a TiCK in the circuit making it go to a low-level transmit or
> something?
>
> 73,
>   Gwen
> -- Gwendolyn, wendy_lyn@unforgettable.com on 09/16/2000
>
>

Date: Sat, 16 Sep 2000 21:29:58 -0700
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <wendy_lyn@unforgettable.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79706] Re: Tixie problems
Message-ID: <002b01c0205f$f05d4440$4a14f4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi again Gwen,
    Check out these web pages:
http://www.qsl.net/wa4chq - Neil's cool web page! Lots of good ideas!
http://www.qsl.net/we6w/text/pixie.html - This one has the W1FB mods. A really good source of info on the Pixie

Good luck on your project!

73
Trev
KG6CYN

----- Original Message -----
From: Gwendolyn <wendy_lyn@unforgettable.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, September 16, 2000 8:26 PM
Subject: Tixie problems

> Hi, all.
>
> This is my intro to the list as well as a plea for help.
>
> I'm Gwen, KB3DVJ, located in Pennsylvania near Philadelphia. I just
> started playing with QRP, and built the Tixie variant on the Pixie 2
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> hasn't arrived yet.
>
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> receive, right?
>
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> broadcast AM. :(So I built an aluminum box for it. No change in
> the BC signal. :(
>
> Also, it seems to be radiating very heavily on 80m, even without
> being keyed. Here's where I'm wondering if the lack of a TiCK is
> holding a transistor high or something and causing it to radiate? If
> I connect the TiCK socket's keyline to ground, I get a stronger
> signal on 80m, but it never really goes away.
>
> I already found one capacitor with a bad solder joint, which was
> causing the thing to thump instead of oscillate, but that doesn't
> seem to affect this radiating problem.
>
> So...any ideas? How do I kill the BC interference, and is the lack
> of a TiCK in the circuit making it go to a low-level transmit or
> something?
>
> 73,
>   Gwen
> -- Gwendolyn, wendy_lyn@unforgettable.com on 09/16/2000
>
>

Date: Sat, 16 Sep 2000 21:25:52 -0700
From: Dan Tayloe <dtayloe@home.com>
To: qrp-l <qrp-l@Lehigh.EDU>, az qrpl <azqrp@extremezone.com>

Cc: Dave Fifield <fifield@pacbell.net>, Doug Hendricks <ki6ds@dpol.k12.ca.us>,
Doug Hendricks <ki6ds@dospalos.org>
Subject: [79707] On the QRPA trail with the Mini-Stinger
Message-ID: <39C447D0.FDB9D78C@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I didn't have much time today to get out with the mini-stinger 40m
prototype, but I was on the air from South Mountain Park in Phoenix
between 23:00 UTC and 01:30 UTC (about 4 - 6:30 Pacific time).

The antenna I used was a 40m dipole up only about 7', so it turned out
to be a bit of a cloud warmer. I think I worked every one in New
Mexico: KK6MC (Jim), K6F (Bruce), W5BI (Gary), WA5WHN (Jay), and N0QT
(Jan), along with a few big signals from Calif.: N6GA (Cam) and K6UIZ
(Frank).

Bruce (K6F, NM) and Bob Hightower (NK7M, AZ) were consistantly
dominating the 40m band with some very big signals.

Between 4 and 6 pm local time, the band was exceptionally quiet. There
was no man made noise to be heard anywhere and I could very clearly hear
many moderately weak QRPers that could not hear me. These included AA0B
(Roy, Mo), N0UR (Jim, MN), W5NC, and Karl in OK (didn't get the call,
but heard you on a lot). Like I said, I chalk this up to an antenna
configuration problem. However, this receiver is extremely quiet, which
means the noise that the signal is hiding in is band noise, and not
receiver noise.

I used a 6 cell AA pack (7.2v) of NiMh 1200 mah rechargeables, which
started out just under 8v. At the end of two hours of running 1 watt,
the battery pack voltage was down to only 7.8v.

My mini-stinger prototype draws about 6.9 ma at 12v during receive, and
9.6 ma while using the above 6 cell battery pack. This rate should
provide 120 hours receive time on the 6 AA cell NiMh battery pack I was
using, and over double that using 2700 mah alkaline batteries. Of
course, the actual life of the batteries will depend more on the duty
cycle of transmitting. I want to do more than just listen! Assuming a
contest type 25% transmit duty cycle (which should be very high), the
NiMh battery pack should give at least 16 hours of operating time.

Darkness started to fall, and I had to get off the mountain before it
got dark enough I could not see my way, so I packed it in at about 6:30
(1:30 UTC).

Lessons learned:

1) Put up a better antenna! However, my cloud warmer dipole works great for NM from AZ!

2) The LED power meter helped me keep the power level in the field to just under a watt (10v peak), but over 0.8w (9v peak). In my case, the battery voltage did not fall enough to need to touch up the output power settings during operations, but it was nice to make sure.

3) Camp out next time! 40m did not lengthen out before I had to leave, and I would have liked to had a shot at something other than NM, CA, and AZ.

4) I had separate boxes for the LED power meter, the tuner & LED SWR bridge, the battery, and the rig. I cannot wait to see what Dave Fifield does with the packaging to get these functions and more in a single small box.

5) One set of six 1200 mah AA NiMh cells is plenty when running only one watt for two hours. Since power was not a multiplier, I could have run at the 2w level and still had battery power to burn.

I look forward to doing it again next year!

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Sun, 17 Sep 2000 01:00:38 -0700
From: Jim Lowman <jmlowman@ix.netcom.com>
To: ku7y@dri.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79708] Re: Farewell from KU7Y
Message-ID: <39C47A26.C936068C@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is getting ridiculous. When is it going to stop? Yet another prominent figure in the QRP realm decides to leave this list.

It's about time we start writing to Jim Eshelman, en masse, to complain about the list management before this list goes the way of many newsgroups.

72/73 de Jim - AD6CW

Monte Stark wrote:

>
> Hi All,
>
> It always interesting to see peoples ideas on all the
> different sub sets of ham radio.
>
> But once again it looks like the whiners with the 4th
> grade mentalities have used their CB style tactics to get
> the list cop to stop the discussion before they were
> made to look like the fools they are!
>
> It really is a shame that the list has decided to try
> their best to keep the bar as low a possable instead of
> trying to get people motivated to reach higher and higher.
>
> Oh well.
>
> I've had all this "new" list I can take.
>
> Please watch for my book, if I can ever get it finished!
>
> But by not waisting any more time here maybe I can get
> that project back into high gear.
>
> Hope to see you folks on the air,
>
> I'm outa here....
>
> 73, Ron
>
> ....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
> ....ku7y@qsl.net....SOC #2.......Nevada....NRA LIFE....
> .....SOWP 5545M.......WHINERS #1........ZOMBIE #18.....
> ....Visit my Home Page.....http://www.qsl.net/ku7y/....

Date: Sun, 17 Sep 2000 07:15:26 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [79709] Re: Antenna attic
Message-ID: <39C4A7CE.1849@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike,

>
> One thing I haven't seen mentioned is a 'rhombic'. I did one on my
> roof at one time. But I don't see any reason why it wouldn't work
> inside under the rafters as well...
>
Hmmm, you've must have an awfully big attic! Wish I had one too.
Rhombics, to work well usually are several wavelength on a side. Even
at 10 meters that's a lot of real estate! Of course for 2 meters it
might work.

I think you meant to say a loop! Even then a loop takes a bit of real
estate!

73

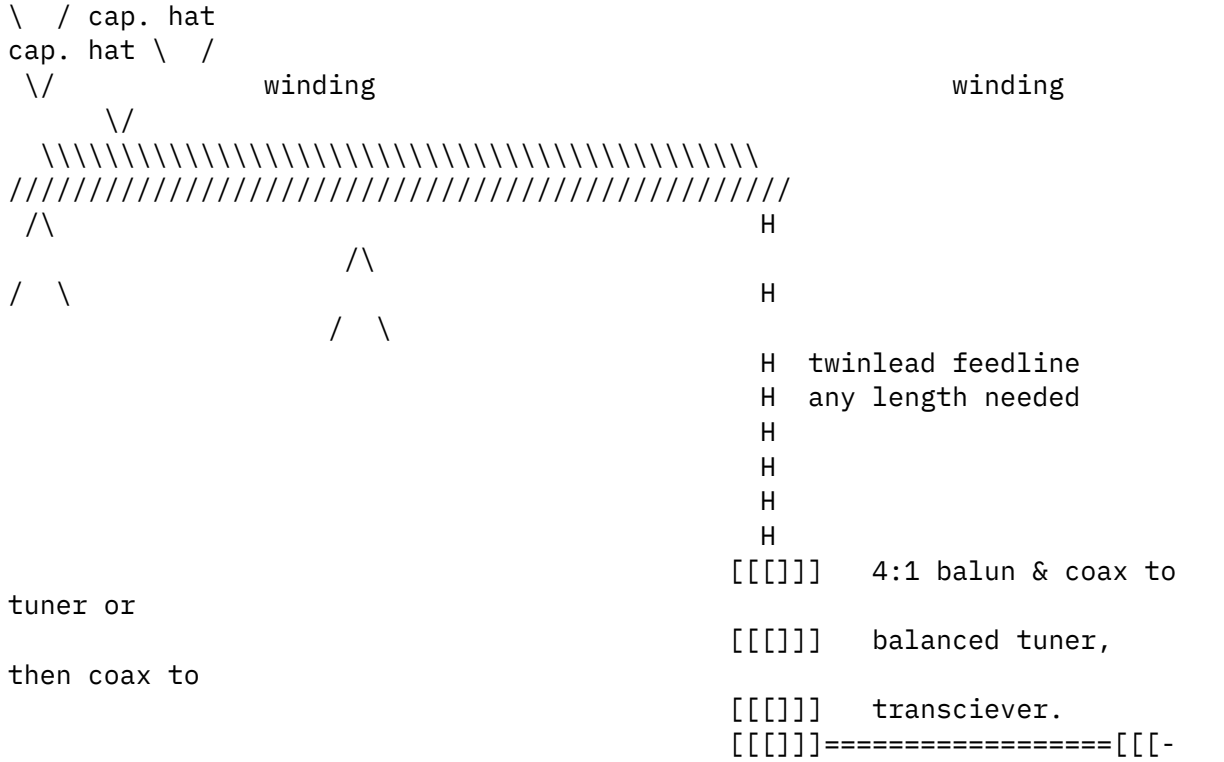
Date: Sun, 17 Sep 2000 07:36:06 EDT
From: WB9MII@aol.com
To: qrp-l@lehigh.edu
Subject: [79710] For W0RSP
Message-ID: <16.25e436d.26f606a6@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello Ade
I thought you might find this of interest. I made up a helically wound
vertical. 8 ft of PVC wrapped with turns of nr 18 wire about 1/2 inch apart,
with a capacity hat at the top made of tinfoil. At first I fed it single
wire feed and it worked well on 20 and 40. Then I recall you'd suggested (a
long time back) feeding it with twinlead instead. That was worth a try so I
hooked it up yesterday. The results have been fantastic. I'm in a condo
type place and can't have an outdoor antenna . Well, for the first time
since I moved in here I don't bewail that I can't. The vert is held up by
the floor and ceiling kinda like one of those lamps I remember from when I
was a kid. I got the idea of the helically wrapped PVC from my Elmer who'd
told me years back guys would use a wire wraped bamboo pole to get on 160 and
80 . Not having a bamboo pole available I had to make do with the PVC.
Anyhow, your idea was dead on the money..many thanks.
72
Greg
wb9mii (email wb9mii@aol.com)

Date: Sun, 17 Sep 2000 08:45:18 EDT
From: Rick McKee <kc8aon@juno.com>

To: qrp-l@Lehigh.EDU
Subject: [79711] Attic Antenna that works ! But you can use it outside too !
Message-ID: <20000917.084531.4479.1.kc8aon@juno.com>

Use a piece of 1'' PVC pipe as long as possible to fit in your attic (you can use 2 or 3 pieces with couplers if you cant get the longer piece to go in - just assemble it in the attic) just make it as long as possible ! Now measure and mark the center of the pipe. From the center, wind at least 1/2 wave of wire (insulated 22 ga will work for qrp) for the lowest band of interest on each side (like a helically wound dipole). Make a capacity hat on each end out of insulated 12 ga house wire (2 wires abt 1' long criss crossed to make an X) and connrct this to the ends of the windings on each end. Feed it at the center with 300 ohm twinlead, 450 ohm ladderline, or a shielded twinlead made from 2 sections of RG58 taped together side by side with the shields connected together and grounded at the shack end (each center conductor going to the dipole halves). Now hang the thing up as high as possible under the peak of the roof using 20 pound monofilament fishing line in several places along it's length making sure the antenna isn't touching anything. Route the feedline to a balanced tuner or to a 4:1 balun and a tuner (I recommend the balun designed by Doug Demaw, W1FB, that is wound on 1'' PVC pipe. Find it in the 1996 ARRL Amateur Radio Handbook on page 22.61). This balun uses no ferrite to saturate and cause TVI !! Hope this helps someone !



By: Rick McKee, KC8AON
        Willow Wood, Ohio <><

{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}
         Best 73 & Don't get on a power trip !
      Rick McKee, KC8AON Willow Wood, Ohio
    QRP-L #2112 AR-QRP #269 Flying Pigs #33
{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{{}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}}

Date: Sun, 17 Sep 2000 08:49:39 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-l@Lehigh.EDU>
Subject: [79712] [OT] AA NiCd Azden HT battery pack question
Message-ID: <002f01c020a5$bf76cae0$45d479a5@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm playing around with a battery pack taken out of an old marine HT. The pack is composed of 8 AA NiCd's in a flat shrink-wrapped pack and is labeled as an Azden BP-500FM, 9.6V 500mAh. It has 3 wires coming out of the shrink wrap -- red, white, black -- going into a 4 pin connector (one of those white plugs seen in lots of base rigs).

My question is, why are there 3 wires? I assume it has something to do with charging. Can I assume the black is negative and the red is positive? If I want to jury rig a charger to this, where would the charger leads go?

This is sort of a generic question as I have a few other packs similar to this that I might want to use with a small solar panel to power up small QRP rigs.

Thanks & 73,
Dave K8TRF

Date: Sun, 17 Sep 2000 09:09:08 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w6toy@erols.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79713] Re: Antenna attic
Message-ID: <001e01c020a8$8c75d160$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I forget where I saw the thing. But it was called a rhombic, but it's
not in the normally accepted sense I guess. It was made out of
twinlead, and I remember if had an impedance of maybe 500 ohms.

I seem to recall it was open opposite the feed point, or had a 450
 resistor, depending on configuration.

I want to say I saw it in 73, but I could have seen it almost anywhere.
This was back in 82 I think, but definitely before 84, as I was in
an other house then. I can't recall if I was an ARRL member then
or not to see it in QST.

Mike

> Mike,
> >
> > One thing I haven't seen mentioned is a 'rhombic'. I did one on my
> > roof at one time. But I don't see any reason why it wouldn't work
> > inside under the rafters as well...
> >
> Hmmm, you've must have an awfully big attic! Wish I had one too.
> Rhombics, to work well usually are several wavelength on a side. Even
> at 10 meters that's a lot of real estate! Of course for 2 meters it
> might work.
>
> I think you meant to say a loop! Even then a loop takes a bit of real
> estate!
>
> 73
>

Date: Sun, 17 Sep 2000 09:18:15 -0400

From: "Mike Yetsko" <myetsko@insydesw.com>
To: <dodgeboy@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79714] Re: [OT] AA NiCd Azden HT battery pack question
Message-ID: <005f01c020a9$f6b51bc0$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know about this pack, but in general batteries are getting
smarter.

First came a 'temperature sensor'. That's might be what you have.

Now they have processors that communicate to the host and
are called 'Smart Batteries'.

Mike

> I'm playing around with a battery pack taken out of an old marine HT. The
> pack is composed of 8 AA NiCd's in a flat shrink-wrapped pack and is
> labeled as an Azden BP-500FM, 9.6V 500mAh. It has 3 wires coming out of
the
> shrink wrap -- red, white, black -- going into a 4 pin connector (one of
> those white plugs seen in lots of base rigs).
>
> My question is, why are there 3 wires? I assume it has something to do
with
> charging. Can I assume the black is negative and the red is positive? If
I
> want to jury rig a charger to this, where would the charger leads go?
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> This is sort of a generic question as I have a few other packs similar to
> this that I might want to use with a small solar panel to power up small
QRP
> rigs.
>
> Thanks & 73,
> Dave K8TRF
>
>

Date: Sun, 17 Sep 2000 09:54:33 -0400
From: John AE5X <ae5x@juno.com>

To: qrp-l@lehigh.edu
Subject: [79715] Any interest in a Tuna Tin 2 night?
Message-ID: <20000917.095434.3830.0.ae5x@juno.com>

I frequently see postings here on the reflector by folks who are going to "fire up" their TT2 and see who they can work with it. Last Halloween there was an en masse TT2 event that was a lot of fun. Since a lot of us have these neat little xmtrs, I was wondering if there's any interest in a "TT2 Night" w/o having to wait for Halloween? Maybe a 1 or 2 hour "sprint" some evening. Any thoughts on the idea?

John Harper, AE5X
HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20
Outdoor QRP http://www.qsl.net/ae5x

Date: Sun, 17 Sep 2000 09:42:00 -0500
From: Lee Bahr <w5drc@earthlink.net>
To: qrp-l@Lehigh.EDU
Subject: [79716] Initial Impressions of the Small Wonder PSK-20 and Cabinet
Message-ID: <39C4D838.6DCFDFCE@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just received my PSK-20 transceiver kit from Dave Benson of Small Wonder Labs a couple of days ago. I have not started to assemble it as yet, but the parts and manual are first class!

I bought the transceiver with a cabinet. The bottom part of the cabinet is made out of extruded aluminum while the top part is a bent aluminum plate which has been spray painted. The front and rear panels are die cast plastic which have been silk screened. This whole assembly makes for a very high end looking professional cabinet for the entire project.

The parts appear to be first class, they all have long leads and no surplus parts are this kit. The circuit board is a first class solder masked silk screened double sided circuit board with plate through holes. You could not provide a better board then is found in this kit.

I have looked through the 26 page instruction manual and this too is done very well. The manual starts out by going through soldering and other build skills, then goes into theory of operation and then into component identification, then a parts list, then theory of operation, then 3 pages of color coded schematics, then Dave's building tips, and then finally the assembly instructions. These assembly instructions are divided into 9 assembly groups and in each group you are told to install each individual part by part just like in an old Heathkit building manual. This coupled with the silk screened circuit board makes it hard to make a mistake.

Once the transceiver is built, the manual goes into how to "hook it up", alignment instructions, trouble shooting which probably is not going to be necessary, and then finally some information on using DigiPan. There is even an additional sheet on putting the cabinet together.

So as you can see, this is a very well thought out construction project and transceiver. I don't know how Dave Benson could provide such a high quality project for around $130 complete with cabinet shipped to my door. When you consider the cost of the parts, cost of cabinets, cost of ordering parts, cost of a quality circuit board, cost of a well thought out manual that took countless hours to write, cost of bagging the kits, and the cost of shipping, this is one heck of a bargain from Small Wonder Labs! Small Wonder is a good name for Dave Benson's company. It truly is a Small Wonder. This must be labor of love for Dave because his price is truly a bargain for our ham community.

As always, I have no financial interest in Small Wonder Labs or in any company or organization Dave engages in business. I am only a paying customer of Small Wonder Labs.
Lee Bahr w0vt

Date: Sun, 17 Sep 2000 11:04:58 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [79717] WTB assembled SW-20 Metres
Message-ID: <200009171105_MC2-B3A6-5F6B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Anybody have an extra Small Wonder SW rig for 20 Metres you would part
with? I would like to have a monobander which is fairly compact. Please=

let me know.

72/73,
--W.D. (Doc) Lindsey
   DSBF
   PO Box 6028
   Bismarck, ND 58506
   (Shipping =3D DSBF, 2020 Lovett Ave, Bismarck, ND, 58504)
   E-Mail =3D K0EVZ@arrl.net

Date: Sun, 17 Sep 2000 08:06:02 -0700
From: Bruce Grubbs <n7ceeqrp@earthlink.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [79718] QRP Afield W7TAO
Message-ID: <4.3.2.7.0.20000917080508.00b11a30@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

W7TAO QRP Afield 2000

Operators: Scott Hogin K7DHF, Bruce Grubbs N7CEE

Location: Saddle Mountain, 8,880 feet, Coconino National Forest, Arizona
(about 20 miles north of Flagstaff), DM45dk.

Contacts: 66

Soapbox: We couldn't have asked for better weather at our favorite field
contest location. Temps were in the 70's and the air was calm- pretty
unusual for a 9,000 foot peak in mid-September. The station consisted of my
K2 with ATU and a PK-3 keyer, powered by a 3 AH gel cell and a 5 watt solar
panel, and running 5 watts out. The antenna farm included a DK9SQ 40m
vertical fed with twin lead, and a 137 foot end fed wire set up as an
inverted L, with 66 foot counterpoise. Both antennas were fed through 4:1
baluns. As accurately predicted by Paul Harden, the workhorse band was 20
meters, which accounted for nearly all our contacts. We did make a few
QSO's on 40 and 15. When we went on the air at 1800Z, there seemed to be
little activity, so we started CQing, a technique we continued thoughout
the 'test, even though activity picked up. The band was up and down, with
few signals above S1, and it usually took 3 or 4 CQ's to snag a contact.
Being able to switch antennas instantly (thanks to the K2 autotuner) was a
great help in copying the weak ones. We had a great time!

Thanks to NN1G for doing all the work on this one!

72
Bruce N7CEE

Date: Sun, 17 Sep 2000 11:36:07 -0400
From: CoreyKc0goa@netscape.net
To: qrp-l@lehigh.edu
Subject: [79719] ReReReReReReReReRe:farewell....oh pooh
Message-ID: <0096319B.32A63E20.372D3D6F@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

AAARRRGGGHHHHHH.....
Crimenantlies, let him go.....PLEASE!

73...
Craig.....KC0GOA

PS: Tnx for some great ideas on the list related thread about attic ants.

Date: Sun, 17 Sep 2000 11:41:51 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-l@lehigh.edu, soc@qth.net
Subject: [79720] QRP AFIELD - W2AGN
Message-ID: <XFMail.000917114151.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

An "SOC" QRP AFIELD

9/16 - 1630Z - Arrive at dock with all my stuff. "Plenty of time, sez I.
1635 - Securely lash bottom of DK9SQ Mast to piling. Happy it's high tide, since top of piling easily accessible.
1640 - open top of mast. Can't seem to get ahold of top section to pull out.
1645 - Read Instructions
1650 - Attempt to push top section up from bottom. Unscrew bottom cap.
1655 - "Splash" Top section falls through into 15 feet of water. Curse a lot. Unlash mast.

MORAL #1: READ Instructions FIRST!

1710 - Replace top section with one from SD20 Pole..it fits!. Follow Instructions and pull up top section before lashing to pole.
1720 - Lash mast to piling again.
1725-1745 - Assemble DK9SQ Loop, following instructions!
1745-1800 - Tune ZM1 up. Looks good First QSO, who else but N4BP!
1800 - 2130 - WOW! This antenna works! Working lots of stations..Who is that calling? F8CFO with a 599! then GW4ALG/QRP, DK1CQ,
 EA3ADV/QRP, DL9FI/QRP...OK, so I got sidetracked working DX, but this thing works as well as my KT34A back home!
2131 - Think I'll try 40. Oops, have to lower antenna to reach the disconnect to use on 40...and it is almost low tide...can't
reach mast.
2135 - Get deck chair, balance on edge of dock, lower antenna and disconnect jumper..actually don't fall in!

PROJECT: Build a little trap to take care of opening loop for 40M!

2140 - Tune up on 40. Noisy, but first QSO N0UR, then a couple of 599s from MI and NH. Seems to work here, too.
2145 - Dark clouds, and getting chilly. Move into covered area on boat.
2150 - RAIN! Accidentally touch twinlead connection on ZM1...OUCH!. Static Electricity!
2338 - Getting dark, forgot flashlight. Hang it up until AM.
9/17 - 1020Z - Antenna still up. COLD. Feels like FYBO out here! Large cup WaWa coffee helps. Start as /p
1020-1238- More QSOs, as far west as BC. Good reports still. Finish at 1238 with just under 8 hours total.
1240 - Low tide again...can't take antenna down for another 5 hours!
1500 - Wonder how to count SPCs worked as /p. Check Rules again. SPCs don't count!

MORAL #2: See MORAL #1

Summary: W2AGN Operator John operating from aboard the "New Joycie" at the Penny Hill Marina, on the Maurice River in Dorcheste
r, NJ.
Rig K2 - 5w into DK9SQ Loop.
TOTAL QSOs: 70
Score: 70

(Really looks small, with no multipliers. Wish I could multiply by my 39 SPCs (not double counting those as /p).

  _   _   _   _   _
 / \ / \ / \ / \ / \ John L. Sielke w2agn@pobox.com w2agn@qsl.net
(W | 2 | A | G | N) NJ Grid:FM29LN http://www.qsl.net/w2agn
 _/ _/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
X-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
fpQRP #121 SOC #390 Elecraft K2 #00023

Date: Sat, 16 Sep 2000 14:37:03 -0500
From: Robert McAtee <w5tnj@camalott.com>
To: qrp-l@Lehigh.EDU
Subject: [79721] Yeah sure.
Message-ID: <3.0.3.32.20000916143703.007b4ae0@mail.camalott.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ha, ha, ha,...And you can get a good honest signal report and comment on your audio from a contester. Ha, ha, ha, ha... "ur 599, 089376421, WI, 73, CQ, TST, CQ,TST.." ..... ==Mac==, AG5F Abilene, TX.

Larry K1ZW wrote::::::
A contest is a good time to pick up some new states or a new country or to test out gear or the antenna.
Contests and dx are alike in that you may have to slug it out with the big guys to get that wanted contact but thats part of the fun .Ifs its to rough for you , pull the plug and go watch the boob tube.

K1zw
Larry
Qcwa

Date: Sat, 16 Sep 2000 14:47:04 -0500
From: Robert McAtee <w5tnj@camalott.com>
To: qrp-l@Lehigh.EDU
Subject: [79722] Get busy Conrad!
Message-ID: <3.0.3.32.20000916144704.007b4290@mail.camalott.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Conrad I can understand taking a break to make a funny, but, comeon get those K-1s ready to ship. I've got my soldering iron in hand ready to go.
==Mac== AG5F, Abilene, TX.

Larry & the gang,

A cool way to acquire one of these clever Bi-Color LEDs, it seems, is to order the new Elecraft K1 kit. It employs a 2 lead version (Red/Green) as a semaphore for RIT enabled (Green) or XIT enabled (Red.) The price for the LED is spendy at $269.00 - BUT you get a free dual-band K1 radio kit for free with the LED ;)! Not a bad deal ;)

OK ... I've got to get back to Field Testing this new K1.... :)

73/72,

Conrad Weiss - NN6CW

Date: Sun, 17 Sep 2000 12:21:50 EDT
From: KR0Y@aol.com
To: qrp-l@lehigh.edu
Subject: [79723] Re: Any experience with the isotron antennas
Message-ID: <81.c1dd5e.26f6499e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 9/13/00 5:38:22 PM Central Daylight Time, kc8aon@juno.com writes:

<< If the Isotron for 160 was 20' tall, this is approximately
 1/32 wavelength long and shows approximately 5 ohms of radiation
 resistance. Add the radiation resistance to the loss resistance (which
 is the feedline/transmitter impedance) and devide this into the radiation
 resistance. So, 5 ohms plus 50 ohms = 55 ohms, 5 ohms devided by 55
 ohms = .090909 % efficiency ! >>

It would appear that a slight mis-calculation may have been done in the above. 20' at 160 meters would be about 13.9 electrical degrees in length. With this figure, the radiation resistance would be about .62 ohms, not '5 ohms'. Of course, using the above formulas, this still results in an efficiency of only .0122, or 1.22% - still pretty low. (However, I could find no reference in the ARRL Antenna Book to using the feedline/transmitter impedance in calculating the radiation efficiency of an antenna. The formulas used 'ground loss' and 'coil loss', but 'ground loss' was not being related to feedline/transmitter impedance, since it states that a "dipole configuration allows ground loss resistance to be eliminated from the calculations", yet a dipole is obviously still fed with feedline from a

transmitter, both with a given impedance. I may have overlooked the formulas that include feedline/transmitter impedance as part of the radiation efficiency formulas, and would appreciate it if anyone can refer me to the proper sections of the book for this information.)

Now here's what interesting - all of the above calculations are listed in the ARRL Antenna Book under 'mobile antennas', and specifically are being used to describe base-loaded, center-loaded, and top-loaded antennas. According to the ARRL Antenna Book, in a small section under "Continuously Loaded Antennas", and referring to short antennas using 'linear-loading', it says: "British experimenters have reported good results with 8-foot overall lengths on the 1.8- and 3.5-Mhz. bands. The idea of making the entire antenna out of one section of coil has also been tried with some success."

Further, in the section "Short Helically Wound Vertical Antennas", it states: "No strict rule has been established concerning how short a helically wound vertical can be before a significant drop in performance is experienced." This section does give a "general recommendation" for the length of a helically-wound antenna, but as noted, there are "No strict rules". It would appear that if the formulas for radiation efficiency, as given in the ARRL Antenna Book under the 'mobile antennas' section also applied to 'short helically wound antennas', then the ARRL Antenna Book would state this, and not make the statement as above. If any other references can be given that show formulas for 'short hellically-wound' antennas, I would appreciate seeing them. As a note, an Isotron antenna is not 'base-loaded', 'center-loaded', or 'top-loaded' - the coil itself radiates, thus it most closely resembles a 'helically wound' antennna.

   John

Date: Sun, 17 Sep 2000 11:27:07 -0500
From: Brian <brian@iquest.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79724] Re: QRP AFIELD - W2AGN
Message-ID: <39C4F0DB.99863A3@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

I had you here near Indy at about a honest 559 for about 20 mins but was never able to get you to answer my CQ's!

Heheheh...I played in the test for about an hour...then the XYL had me back in the salt mine.

I made about 15 total contacts.

"John L. Sielke" wrote:
>
>   An "SOC" QRP AFIELD
>
> 9/16 - 1630Z - Arrive at dock with all my stuff. "Plenty of time, sez I.
> 1635 - Securely lash bottom of DK9SQ Mast to piling. Happy it's high tide,
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> 1640 - open top of mast. Can't seem to get ahold of top section to pull out.
> 1645 - Read Instructions
> 1650 - Attempt to push top section up from bottom. Unscrew bottom cap.
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> Unlash mast.
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> 1720 - Lash mast to piling again.
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> 1745-1800 - Tune ZM1 up. Looks good First QSO, who else but N4BP!
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> coffee helps. Start as /p
> 1020-1238- More QSOs, as far west as BC. Good reports still. Finish at 1238

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> Summary: W2AGN Operator John operating from aboard the "New Joycie" at the
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> r, NJ.
> Rig K2 - 5w into DK9SQ Loop.
> TOTAL QSOs: 70
> Score: 70
>
> (Really looks small, with no multipliers. Wish I could multiply by my 39 SPCs
> (not double counting those as /p).
>
> ---
>   _   _   _   _   _
> / \ / \ / \ / \ / \ John L. Sielke w2agn@pobox.com w2agn@qsl.net
> (W | 2 | A | G | N) NJ Grid:FM29LN http://www.qsl.net/w2agn
> _/ _/ _/ _/ _/ NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
> X-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
> fpQRP #121 SOC #390 Elecraft K2 #00023

--
==
 KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
       39.558 N   86.095 W   Johnson Co., Indiana
   GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
  Member of the American Radio Relay League - SOC #400
  FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
==

Date: Sun, 17 Sep 2000 12:37:25 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w5tnj@camalott.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79725] Re: Get busy Conrad!
Message-ID: <00a901c020c5$9670e0c0$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now THAT sounds like the logic in the book "The Sirens of Titan"!!!

Mike

> Conrad I can understand taking a break to make a funny, but, comeon get
> those K-1s ready to ship. I've got my soldering iron in hand ready to go.
> ==Mac== AG5F, Abilene, TX.
>
>
> Larry & the gang,
>
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> order the new Elecraft K1 kit. It employs a 2 lead version (Red/Green) as
a
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> LED is spendy at $269.00 - BUT you get a free dual-band K1 radio kit for
> free with the LED ;)! Not a bad deal ;)
>
> OK ... I've got to get back to Field Testing this new K1.... :)
>
> 73/72,
>
> Conrad Weiss - NN6CW

Date: Sun, 17 Sep 2000 09:59:40 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [79726] QRPp DX chasing
Message-ID: <20000917165940.14876.qmail@web705.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Fridays mail brought me another DX QSL card! This one
is FY/DJ0PJ who was in French Guiana. He was running
5w from a QRP+ to a balcony dipole.
I was using my K2, WM-2 and 10M quad, running 200mW.

This QSL brings me up to a nice number in my quest for
the Milliwatt DXCC award from QRP ARCI.

I now stand at 70 countries confirmed, useing from 5mW
to 800mW.

Some are from contests, and some from non-contest
QSO's.

In contests I use hunt and pounce with my own mW twist
to it. I have my log handy as I scan the bands, and
look for new countries. Then I watch there pileup and
chose a time when they have few callers. Even the rare
ones have slow moments when a tiny milliwatt CW signal
can make it. They are getting hungry for callers and
will try hard to copy you.

I have a list of all 70 DXCC's on my webpage, check it
out.

Have fun!
Jim KJ5TF
"All Milliwatts All The Time"

=====
http://www.madisoncounty.net/~kj5tf/
Milliwatting Editor ARCI QRP Quarterly
Join/renew membership QRP Amateur Radio Club International
http://www.qrparci.org/arcijoin.html
AR QRP#2 - Kingston, Arkansas 35.94N 93.47W
Private email kj5tf@madisoncounty.net

Date: Sun, 17 Sep 2000 13:04:37 -0400
From: "The One and Only!" <mitch96@pobox.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [79727] WTB WX STATION
Message-ID: <39C4F9A5.8249BF71@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,
I looking for a "preowned" Davis type weather station if some one wants
to part with. May trade for some qrp radio gear if your interested.
Please reply off list
--
Mitch
Hollywood, Florida

Date: Sun, 17 Sep 2000 11:14:08 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: <ae5x@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79728] Re: Any interest in a Tuna Tin 2 night?
Message-ID: <005501c020d3$345d6c60$5c11f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Count me in but I can only manage Saturday nights!
The thought of dozens of TT's all on 7040 is kind of scary though!

Steve / VE7SL

> I frequently see postings here on the reflector by folks who are going to
> "fire up" their TT2 and see who they can work with it. Last Halloween
> there was an en masse TT2 event that was a lot of fun. Since a lot of us
> have these neat little xmtrs, I was wondering if there's any interest in
> a "TT2 Night" w/o having to wait for Halloween? Maybe a 1 or 2 hour
> "sprint" some evening. Any thoughts on the idea?
>
> John Harper, AE5X
> HW-9, OHR-100A/20, NC40A, SST/30, SST/40, DSW/20
> Outdoor QRP http://www.qsl.net/ae5x
>
> ____
> YOU'RE PAYING TOO MUCH FOR THE INTERNET!
> Juno now offers FREE Internet Access!
> Try it today - there's no risk! For your FREE software, visit:
> http://dl.www.juno.com/get/tagj.
>

Date: Sun, 17 Sep 2000 18:44:09 +0100
From: Larry S Cahoon <wd3p@juno.com>
To: epaqrp-l@Lehigh.EDU, qrp-l@Lehigh.EDU
Subject: [79729] Possible AT in VA operation
Message-ID: <20000917.184415.-505823.1.wd3p@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I have to spend a couple of days on an office off site in VA this week.

If I can break free I'll head to the AT on rt 7 in VA. Operation will be mobile with the DSW-20 and DSW-40. I'm fairly sure I can find a place to park where the road crosses the AT trail - at least the maps look like I can.

Likely operation time:

1. Wednesday, Sept. 20th - evening dinner is 6:30 local, if I can get out by 8:00 I'll head for the trail and stay till 10:00. If I don't show up by 9 (0100z) or thereabout I didn't make it.

2. We are supposed to break up at 4 PM the next day. If we break up early I'll just head home. If we are on time. I'll go out an run the trail and drive back around DC after the evening rush hour has wound down. In that case I should show up about 4:30-5:00 and will stay till about 6 PM - all local times

Summery - if I make it.
9/21/00 - about 0030-0100z - Wed. Evening
9/21/00 - about 2030-2200z - Thurs. Afternoon

73 de Larry.....WD3P in MD

Date: Sun, 17 Sep 2000 14:49:42 -0400
From: CoreyKc0goa@netscape.net
To: qrp-l@lehigh.edu
Subject: [79730] Re: Tuna Tins
Message-ID: <2FCB8755.1B62671B.372D3D6F@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Are we talking about a QRP rig or the sat. or both?

..?...Craig....KC0GOA

Date: Sun, 17 Sep 2000 14:34:28 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: KR0Y@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [79731] Re: Any experience with the isotron antennas
Message-ID: <39C50EB4.725F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

Having built three or four helically wound dipoles with more than slight success I can state that I have found the minimal length is on the order of 0.3 to 0.4 wavelength. I built a 40 meter dipole that was 20 feet end to end and found it worked fairly well. A 9 meter dipole for 20 meters was very successful. Below .3 wavelength I think you get into the area of high losses from the inductive part of the antenna. The .45 wavelenght 20 meter antenna was very succesful.

73

Date: Sun, 17 Sep 2000 15:13:44 -0400
From: Mark Sailer <msailer@buoy.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [79732] WTB/build SW SSB Radio
Message-ID: <39C517E8.D9878645@buoy.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,
    I'm looking to build a Small Wonders White mountain Series radio.
Does anyone have one 4sale?
What band would I get the most use out of 20, 40 or 75m?
To be used for moble and Demos use.

TNX
Mark

Date: Sun, 17 Sep 2000 14:46:47 -0500
From: "Michael A. Newell, WB4HUC" <wb4huc@texas.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79733] Updated Palmpilot Info
Message-ID: <001b01c020e0$04934f60$496063d1@wb4huc>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've updated a couple of qrp-related Palm OS databases
and they're available for downloading (for those of you
who keep this kind of stuff in your PDA).

Visit http://wb4huc.home.texas.net and click the Palm OS
link. The new items are marked in red text. If you don't see
any red text on the Palm OS page, hit the refresh/reload
button on your browser.

I'm also working on the possibility of creating some web
pages that can be directly downloaded into a pda via the
AvantGo web site. So far this is experimental, but if I
come up with anything worthwhile I'll certainly let it be known.

If anyone can think of any piece of QRP-related information
that you just have to keep with you all the time, please
contact me directly and let me know, because It helps to
know what people want (assuming they want anything at all)
before you give it to them.

This of course, is contrary to my professional software
development activities where we give folks what we want
them to have whether they asked for it or not, and then we
expect them to be darn glad we even gave them that much.

Thank you,

Mike Newell - WB4HUC
Austin, TX
QRP-L 1668
FISTS 6745

Date: Sun, 17 Sep 2000 16:08:30 -0400
From: CoreyKc0goa@netscape.net
To: qrp-l@lehigh.edu
Subject: [79734] ReRe:tuna tins
Message-ID: <436B5DE1.424288B7.372D3D6F@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Someone was asking about tuna tin 2 nite scheduled contacts. I was wondering if he was talking about the satalite by the same name or a spacific QRP radio.

...73....Craig....KC0GOA

Date: Sun, 17 Sep 2000 15:09:09 -0500
From: "Mike D." <hrg@cifnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79735] k4msw de n9bor k
Message-ID: <001f01c020e3$23d80ac0$0bad4ec6@mike1>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm trying to get in touch with Todd Atkins, K4MSW. Todd's FB website is still valid, but his e-mail address bounces and mail is returned from his CBA. http://www.qsl.net/k4msw/index.html

Can anyone help me out? Thanks!

73 de Mike, N9BOR
FISTS NR 4594 SOC # 116
http://www.qsl.net/n9bor

di dah dit - The only roger beep you'll ever need.
My designated driver is a 12BY7A.

Date: Sun, 17 Sep 2000 15:52:56 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [79736] QRP-A Field
Message-ID: <200009172029.QAA17740@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Well, went up to the Log Cabin on the side of Mt Adams again. It was cool, low 40's, damp, and stiff breeze made it feel pretty raw out. Glad I decided to go to a shelter and not tent out!

20M didn't seem to be too lively up this way, but there were some

good signals. Lingering effects of the flair up this way? Only made 10 contacts on 20. Almost double that on 40, for a total of 29, 7 of which were this mornings bonus. Although I got my usual number of contracts, there didn't seem to be all that much activity this year.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 17 Sep 2000 14:59:24 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Cc: nn1g@earthlink.net
Subject: [79737] QRP AFIELD 2000
Message-ID: <20000917.145931.-592887.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

WOW! That was fun.

WB5LYJ & I arrive @ our site in the Mangas Mountains {grid square: DM54ua, elevation: 9,163 ft. asl} Catron County, NM on Friday night @ 0434 UTC . With the moon out & the Milky Way showing, who needed a flash light? It's a lot of fun navigating on a road/trail in the moonlight, while driving up the side of a mountain. =8-0

What a day time view from the mountain. We could see the Horse Head Mountains to the east & plus the Datil Mountains to the north & the White Mountains in AZ to the west & the Gila Mountains to the south. From our site, we could even see the control house for the VLA on the Plains of St. Augustin.

W5BI sets up 3 miles to the west of us at the Mangas Tower look out. Friday night was really quiet, until about 0830 UTC on Saturday morning. I hear what I think is a bunch of bull elk bugling near by. I quietly extract myself from the tent and head towards the noise. Sound travels for miles in the forest. 60+ feet high ponderosa pines every where. This place is really dry & one spark & it's another Los Alamos fire storm.

Hint: don't ever surprise a bull elk, or you just might wear a rack of some mightly sharp antlers. I stop behind a large pine tree and just listen. Again I hear what I think is a bull elk mating call. With the coyotes howling nearby, it hides any noise that I make. I drop down on to my belly behind the pine tree and with the amount of moon light showing,

I quietly move around the tree to get a better view. Below me is a bow hunter, using an elk bugling call. I quietly sneak back to the tent.

Guess what season it is in SW NM? Bow hunting for elk & deer, plus {shotgun} turkey season. I crawl back into my comfy sleeping bag & resume sending ZZZZZZZs.

@ 1330 UTC, Saturday, W5BI & talk on .52 {wilderness protocol}. Evidently, there is a brown bear loose up by Gary rummaging through the trash and bothering people. I think I know this bear {Yogi?}   ;-)

Since this whole area is "open range", you will see ranchers on horse back or ATVs out tending the cattle. 2 of the ranchers had stopped by to check on us. In remote areas, the ranchers are really helpful especially when they find a lost camper or hunter. When one of them had noticed the antennas, he had asked numerous questions. He was impressed that with 4 watts I was chatting with people around the continental US & Canada. They had offered us water & fuel. We had declined their offer & thanked them. They {Pierson Ranchers} were camped down by Mangas Spring.

It was a pleasure to hear everyone on, however 20 cw was a bit strange. Lots of QSB and the QRM was fierce. N4BP heard everywhere & he has a hurricane headed his way. VA6RR, what a pleasure to just sit a chat for awhile.

NM was well represented during this event. I think I had worked just under 50 contacts, but I actually had more fun just chatting with people.

Where was HP1AC & AL7FS?

Hint: don't put 15 meter antennas up next to a deer trail. One of them had evidently found my coax last night.

40 cw @ night was fun, especially dodging the bc & digital stations. N7VE, nice signal for a 7 feet high dipole from South Mountain. K1LGQ was the farthest station east I could work. I had missed NQ2RP & K6F. I had heard them once, then not again. :-(FYI, for the NQ2RP crew, I did play the CD "War of the Worlds" in the tent. :-)

On the way home, we had passed through the ghost towns of Mangas & Lenew, NM. Old frontier towns with the buildings still standing. What a pleasure to just stop & see your heritage right before you.

NN1G, thanks Amigo, let's do this again. Lesson learned, check to see when hunting season is for SW NM next year. Don't put antennas beside large animal trails. The radio gear had functioned perfectly. It was the nut between the ear phones that was making mistakes. ;-)

When is the next outdoor qrp event?

72, ...Jay, WA5WHN/5 DM54ua, Catron County, NM USA

Date: Sun, 17 Sep 2000 17:08:45 -0400 (EDT)
From: n2go@arrl.net
To: qrp-l@Lehigh.EDU
Subject: [79738] Rigblaster vs homebrew psk-31?
Message-ID: <Pine.LNX.4.20.0009171704050.694-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What is the difference between the homebrew interface
listed at the WM2U site
http://www.qsl.net/wm2u/psk31.html

and the rigblaster http://www.westmountainradio.com/RIGblaster.htm

Did I just waste $2 on the parts to make the one listed at the WM2U site? :) I am still waiting for my optoisolator to come in the mail.

Has anyone used the linux version of the psk software ? which one?

73,

Jim n2go

Date: Sun, 17 Sep 2000 15:38:20 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: n2go@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [79739] Re: Rigblaster vs homebrew psk-31?
Message-ID: <Pine.LNX.4.10.10009171531510.2176-100000@cannac.ampr.org>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jim your confused. The Rigblaster is a device costing $89 according to QST Review that will interface between your computer and your radio if you buy some wires to do so. PSK-31 is software you run on your computer. PSK-31 was born on Linux as a command line device and still exists I think: I used it over a year ago. But the software written for Windows 95/98 is so pretty and works so well you will want to use it, also free. I *Love* Digipan version 1.2

Rigblaster can be replaced by 1 transistor, 1 diode and 2 resistors. But it takes thought and solder. If your short on either buy a Rigblaster.

On Sun, 17 Sep 2000 n2go@arrl.net wrote:

> What is the difference between the homebrew interface
> listed at the WM2U site
> http://www.qsl.net/wm2u/psk31.html
>
> and the rigblaster http://www.westmountainradio.com/RIGblaster.htm
>
> Did I just waste $2 on the parts to make the one listed at the WM2U
> site? :) I am still waiting for my optoisolator to come in the mail.
>
> Has anyone used the linux version of the psk software ? which one?
>
> 73,
>
> Jim n2go
>
>
>

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 17 Sep 2000 17:09:20 -0500
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: <n2go@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79740] Re: Rigblaster vs homebrew psk-31?
Message-ID: <035b01c020f4$140bca80$0200000a@mcg.net>

Hi Jim,
---- Original Message -----
From: <n2go@arrl.net>

| What is the difference between the homebrew interface
| listed at the WM2U site
| http://www.qsl.net/wm2u/psk31.html
|
| and the rigblaster http://www.westmountainradio.com/RIGblaster.htm

Not much, they both do the same thing. The Rigblaster is nicely done and includes through jacks for your mike and sound card speaker connections and additional switching. The schematic is available on the site in pdf format.

| Did I just waste $2 on the parts to make the one listed at the WM2U
| site? :) I am still waiting for my optoisolator to come in the mail.

No I'd say your saving 87 bucks! The interface described on this page works fine. I have a similar circuit here.

| Has anyone used the linux version of the psk software ? which one?

No, but I sure would be interested in hearing the answer to this too. I'd like to make the shack 'puter a linux machine.

73 de Cla KA0GKC

Date: Sun, 17 Sep 2000 17:28:27 -0500
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <ka0gkc@arrl.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [79741] Re: Rigblaster vs homebrew psk-31?
Message-ID: <00a501c020f6$9d14bec0$0400a8c0@bergenbrunswig.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I agree on the savings of $87. First thoughts to me are "why would anyone buy one?" I built my interface from parts in my junk box so I can really say that I saved $89.

Another issue, or maybe I should say "objection" is the fact that it uses

mic. input and speaker out (I do believe that this is the case) rather than the constant level line in and out most all radios have. That makes for a lot of adjustments during actual operation.

Those objections out of the way, I know that there are many who can not for various reasons, come up with a homebrew interface. That fact certainly justifies its presence in the market.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
e-mail to: dandooley@pipeline.com
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: "Cla KA0GKC" <ka0gkc@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, September 17, 2000 5:09 PM
Subject: Re: Rigblaster vs homebrew psk-31?

> Hi Jim,
> ---- Original Message -----
> From: <n2go@arrl.net>
>
>
> | What is the difference between the homebrew interface
> | listed at the WM2U site
> | http://www.qsl.net/wm2u/psk31.html
> |
> | and the rigblaster http://www.westmountainradio.com/RIGblaster.htm
>
> Not much, they both do the same thing. The Rigblaster is nicely done and
> includes through jacks for your mike and sound card speaker connections and
> additional switching. The schematic is available on the site in pdf format.
>
> | Did I just waste $2 on the parts to make the one listed at the WM2U
> | site? :) I am still waiting for my optoisolator to come in the mail.
>
> No I'd say your saving 87 bucks! The interface described on this page works
> fine. I have a similar circuit here.
>
> | Has anyone used the linux version of the psk software ? which one?

>
> No, but I sure would be interested in hearing the answer to this too. I'd
> like to make the shack 'puter a linux machine.
>
> 73 de Cla KA0GKC
>
>

Date: Sun, 17 Sep 2000 15:32:40 -0700 (PDT)
From: Steve Yates <aa5tb@yahoo.com>
To: QRP-L Distibute <qrp-l@Lehigh.EDU>
Cc: Mike Kana <cosmo224@execpc.com>, Bill Penny <bpenny@flash.net>, "Mike H. Campbell" <mike.h.campbell@lmco.com>, Mike Allen <wi5i@bigfoot.com>
Subject: [79742] QRP AField - AA5TB
Message-ID: <20000917223240.8493.qmail@web3002.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

During the QRP AField contest I operated portable from underneath a tree in my neighborhood not
too far from my home here in Fort Worth, Texas. No adventurous places around here for 500 miles.
I had a really good time and the weather was great with a high temperature of a cool 90F and a low
of 58F. Here are the particulars:

Rig: MFJ-9020 (20m only)
Power: 4W
Power Source: Solar charged Gel Cell
Antenna: Vertical End-Fed Halfwave Dipole thrown into a tree. Fed at the bottom 4' from
the ground with this coupler - http://www.geocities.com/aa5tb/coupler.html

QSO's: 50 (after subtracting dupes)
States: 22
Countries: 2 (not counting U.S.)
Strongest: K6F, Bruce in New Mexico
Lowest Power: W3PM in Alabama with 10mW!
Longest Ragchew: XE1EKX, Rami in Puerto Vallarta, Mexico
2nd Longest: K2PBJ, Scott in Croton, New York

Score: 50

=====

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
http://www.geocities.com/aa5tb
aa5tb@arrl.net

Date: Sun, 17 Sep 2000 15:50:08 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [79743] Re: Antennas For Limited Spaces/Antenna Publications
Message-ID: <004901c020f9$a3078b20$11f2fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Trev
You can easily bring 300-ohm twinlead in through the gap at the edge of the window frame.
If the window tries to press too hard on the twinlead, protect it with a layer of black plastic electrical tape. Run the twinlead through the window so that the wires are 90 degrees from the metal. This minimizes the metal in the near field of the twinlead.

I live in a house with aluminum siding, and bring my twinlead in through a small hole in the siding. I've seen no noticeable effect from this. As long as the wires are at right angles to the metal, there will be no unbalance due to this.

73, Bob N6WG

End of QRP-L Digest 1947
****
